ELSEVIER

Surface Science 421 (1999) 419–421

surface science

Author index

Andryushechkin, B.V., K.N. Eltsov, V.M. Shevlyuga, C. Tarducci, B. Cortigiani, U. Bardi and A. Atrei, Epitaxial growth of AgCl layers on the Ag(100) surface 421 (1999) 27
Asari, E., see Souda 421 (1999) 89
Atrei, A., see Andryushechkin 421 (1999) 27

Bardi, U., see Andryushechkin 421 (1999) 27
Beutler, A., see Sandell 421 (1999) 116
Biener, J., see Dinger 421 (1999) 44
Biener, J., see Dinger 421 (1999) 17
Binder, K., see Patrykiejew 421 (1999) 308
Børve, K.J., see Todnem 421 (1999) 296
Bowler, D.R., see Miki 421 (1999) 397
Braun, J., see Matzdorf 421 (1999) 167
Briggs, G.A.D., see Miki 421 (1999) 397
Broer, R., see Geleijns 421 (1999) 106

Chenakin, S.P., B. Heinz and H. Morgner, Substrate effect in sputtering of self-assembled monolayers: hexadecanethiol on Au(111) and Ag(111) 421 (1999) 337
Cheng, T.S., see Foxon 421 (1999) 377
Chiesa, M., see Paganini 421 (1999) 246
Cohen, C., see Prévot 421 (1999) 364
Coluccia, S., see Paganini 421 (1999) 246
Cortigiani, B., see Andryushechkin 421 (1999) 27
Couch, R.E., see Ruebush 421 (1999) 205

de C. Graaf, see Geleijns 421 (1999) 106
Del M.G. Pópolo, see Sánchez 421 (1999) 59
Dillmann, B., see Seiferth 421 (1999) 176
Dinger, A., C. Lutterloh, J. Biener and J. Küppers, Reactions of gaseous H atoms with propylene oxide monolayers adsorbed on graphite covered Pt(111) surfaces 421 (1999) 44
Dinger, A., C. Lutterloh, J. Biener and J. Küppers, Hydrogen atom reactions with graphite island edges on Pt(111) surfaces: hydrogenation through Eley–Rideal and hot-atom processes 421 (1999) 17
Dmitriev, V.A., see Foxon 421 (1999) 377

Eltsov, K.N., see Andryushechkin 421 (1999) 27

Fadley, C.S., see Ruebush 421 (1999) 205
Farberovich, O.V., see Smogunov 421 (1999) 237
Fluchtmann, M., see Matzdorf 421 (1999) 167
Foxon, C.T., T.S. Cheng, S.V. Novikov, N.J. Jeffs, O.H. Hughes, Y.V. Melnik, A.E. Nikolaev and V.A. Dmitriev, Gallium-induced surface reconstruction patterns of GaN grown by molecular beam epitaxy 421 (1999) 377
Freund, H.-J., see Seiferth 421 (1999) 176
Frie, W., see Payne 421 (1999) 279
Fu, T.-Y. and T.T. Tsong, Structure and diffusion of small Ir and Rh clusters on Ir(001) surfaces 421 (1999) 157

Galle, J. and H.L. Vörtler, Monte Carlo simulation of primitive water in slit-like pores: networks and clusters 421 (1999) 33
Geleijns, M., de C. Graaf, R. Broer and W.C. Nieuwpoort, Theoretical study of local electronic transitions in the NiO(100) surface 421 (1999) 106
Georgievskii, Y., see Hershkovitz 421 (1999) 73
Gerlach, A., see Matzdorf 421 (1999) 167
Giamello, E., see Paganini 421 (1999) 246
Goldmann, A., see Matzdorf 421 (1999) 167
Guyot-Sionnest, P., see Schröder 421 (1999) 53

Hammer, L., see Payne 421 (1999) 279
Hara, S., J. Kitamura, H. Okushi, S. Misawa, S. Yoshida, K. Kajimura, H.W. Yeom and R.I.G. Uhrberg, Perfect cellular disorder in a two-dimensional system: Si cells on the 3C-SiC(001) surface 421 (1999) L143
Heinz, B., see Chenakin 421 (1999) 337
Heinz, K., see Payne 421 (1999) 279
Hershkovitz, E., P. Talkner, E. Pollak and Y. Georgievskii, Multiple hops in multidimensional activated surface diffusion 421 (1999) 73
Hoffmann, R., see Juan 421 (1999) 1
Hughes, O.H., see Foxon 421 (1999) 377
Hunka, D.E., T. Picciotto, D.M. Jaramillo and D.P. Land, Dehydrogenation of cyclohexene to benzene on Pd(111) 421 (1999) L166

Ikeda, A., see Nishimura 421 (1999) 273
Imbihl, R., see Schaak 421 (1999) 191

Jaramillo, D.M., see Hunka 421 (1999) L166
Jaworowski, A.J., see Sandell 421 (1999) 116
Jeffs, N.J., see Foxon 421 (1999) 377

Jensen, C., see Reshöft 421 (1999) 320
Juan, A. and R. Hoffmann, Hydrogen on the Fe(110) surface and near bulk bcc Fe vacancies. A comparative bonding study. A Comparative bonding study 421 (1999) 1

Kajimura, K., see Hara 421 (1999) L143
Kamada, M., see Sano 421 (1999) 386
Kawanowa, H., see Souda 421 (1999) 89
Kido, Y., see Nishimura 421 (1999) 273
Kitamura, J., see Hara 421 (1999) L143
Klivenyi, G., see Seiferth 421 (1999) 176
Köhler, U., see Reshöft 421 (1999) 320
Koller, G., F.P. Netzer and M.G. Ramsey, Molecular architecture through substrate patterning: bithiophene on clean and sulphur patterned Ni(110) 421 (1999) 353
Kreuzer, H.J., see Payne 421 (1999) 279
Küppers, J., see Dinger 421 (1999) 44
Küppers, J., see Dinger 421 (1999) 17
Kurganskii, S.I., see Smogunov 421 (1999) 237
Kurkina, L.I., see Smogunov 421 (1999) 237

Land, D.P., see Hunka 421 (1999) L166
Leibsle, F.M., see Silva 421 (1999) 146
Leibsle, F.M., see Silva 421 (1999) 135
Leiva, E.P.M., see Sánchez 421 (1999) 59
Lemor, R.M., see Silva 421 (1999) 146
Lemor, R.M., see Silva 421 (1999) 135
Lordi, V., S.X.C. Ma and N. Yao, Towards probing pentagons on carbon nanotube tips 421 (1999) L150
Lutterloh, C., see Dinger 421 (1999) 44
Lutterloh, C., see Dinger 421 (1999) 17

Ma, S.X.C., see Lordi 421 (1999) L150
Martra, G., see Paganini 421 (1999) 246
Matsushima, T., see Sano 421 (1999) 386
Matzdorf, R., A. Gerlach, A. Goldmann, M. Fluchtmann and J. Braun, Momentum matrix elements for angle-resolved UV-photoemission from Cu(111): comparison of experimental data and results from one-step calculations 421 (1999) 167
McIntyre, N.S., see Piao 421 (1999) L171
Melnik, Y.V., see Foxon 421 (1999) 377
Miki, K., J.H.G. Owen, D.R. Bowler, G.A.D. Briggs and K. Sakamoto, Bismuth-induced structures on Si(001) surfaces 421 (1999) 397
Misawa, S., see Hara 421 (1999) L143
Morgner, H., see Chenakin 421 (1999) 337
Morishita, T., see Nishimura 421 (1999) 273
Moulin, J., see Prévot 421 (1999) 364
Murphy, D.M., see Paganini 421 (1999) 246

Namba, H., see Nishimura 421 (1999) 273
Netzer, F.P., see Koller 421 (1999) 353
Nieuwpoort, W.C., see Geleijns 421 (1999) 106
Nikolaev, A.E., see Foxon 421 (1999) 377
Nishimura, T., A. Ikeda, H. Namba, T. Morishita and Y. Kido, Structure change of TiO_2-terminated $SrTiO_3$(001) surfaces by annealing in O_2 atmosphere and ultrahigh vacuum 421 (1999) 273
Novikov, S.V., see Foxon 421 (1999) 377
Nygren, M., see Todnem 421 (1999) 296

Ogino, T., see Prabhakaran 421 (1999) 100
Ohno, Y., see Sano 421 (1999) 386
Okushi, H., see Hara 421 (1999) L143
Otani, S., see Souda 421 (1999) 89
Owen, J.H.G., see Miki 421 (1999) 397

Pacchioni, G., see Paganini 421 (1999) 246
Paganini, M.C., M. Chiesa, E. Giamello, S. Coluccia, G. Martra, D.M. Murphy and G. Pacchioni, Colour centres at the surface of alkali-earth oxides. A new hypothesis on the location of surface electron traps 421 (1999) 246
Patrykiejew, A., S. Sokołowski, T. Zientarski and K. Binder, On the commensurate–incommensurate transition in adsorbed monolayers 421 (1999) 308
Payne, S.H., H.J. Kreuzer, W. Frie, L. Hammer and K. Heinz, Adsorption and desorption of hydrogen on Rh(311) and comparison with other Rh surfaces 421 (1999) 279
Pfandzelter, R., Origin of intensity oscillations in grazing ion scattering during epitaxial growth: a computational approach 421 (1999) 263
Piao, H. and N.S. McIntyre, High resolution XPS studies of thin film gold–aluminum alloy structures 421 (1999) L171
Picciotto, T., see Hunka 421 (1999) L166
Pollak, E., see Hershkovitz 421 (1999) 73
Prabhakaran, K., K. Sumitomo and T. Ogino, Interaction of Co with SiGe epilayer grown on Si(100) 421 (1999) 100
Prévot, G., C. Cohen, J. Moulin and D. Schmaus, Surface diffusion of Pb on Cu(110) at low coverage: competition between exchange and jump 421 (1999) 364

Ramsey, M.G., see Koller 421 (1999) 353
Reshöft, K., C. Jensen and U. Köhler, Atomistics of the epitaxial growth of Cu on W(110) 421 (1999) 320
Ruebush, S.D., R.E. Couch, S. Thevuthasan and C.S. Fadley, X-ray photoelectron diffraction study of thin Cu films grown on clean Ru(0001) and O-precovered Ru(0001) 421 (1999) 205

Sakamoto, K., see Miki 421 (1999) 397
Sánchez, C.G., Del M.G. Pópolo and E.P.M. Leiva, An embedded atom approach to underpotential deposition phenomena 421 (1999) 59
Sandell, A., A.J. Jaworowski, A. Beutler and M. Wiklund, Adsorption and reactions on a surface alloy: CO, NO, O_2 and CO_2 on Pd(100)–Mn-c(22) 421 (1999) 116
Sano, M., Y. Seimiya, Y. Ohno, T. Matsushima, S.-i. Tanaka and M. Kamada, Orientation of oxygen admolecules on a stepped platinum(133) surface 421 (1999) 386
Scarano, D., see Seiferth 421 (1999) 176
Schaak, A., S. Shaikhutdinov and R. Imbihl, H/D-isotope effects in chemical wave propagation on surfaces: the O_2+H_2 and $NO+H_2$ reactions on Rh(110) and Rh(111) 421 (1999) 191
Schmaus, D., see Prévot 421 (1999) 364

Schröder, U. and P. Guyot-Sionnest, Optical sum frequency studies of adsorption and laser-induced desorption of CO on W(110) 421 (1999) 53
Seiferth, O., K. Wolter, B. Dillmann, G. Klivenyi, H.-J. Freund, D. Scarano and A. Zecchina, IR investigations of CO_2 adsorption on chromia surfaces: Cr_2O_3 (0001)/Cr(110) versus polycrystalline α-Cr_2O_3 421 (1999) 176
Seimiya, Y., see Sano 421 (1999) 386
Shaikhutdinov, S., see Schaak 421 (1999) 191
Shevlyuga, V.M., see Andryushechkin 421 (1999) 27
Shluger, A.L., see Sushko 421 (1999) L157
Silva, S.L., R.M. Lemor and F.M. Leibsle, STM studies of methanol oxidation to formate on Cu(110) surfaces: II. codosing experiments 421 (1999) 146
Silva, S.L., R.M. Lemor and F.M. Leibsle, STM studies of methanol oxidation to formate on Cu(110) surfaces: I. sequential dosing experiments 421 (1999) 135
Smogunov, A.N., L.I. Kurkina, S.I. Kurganskii and O.V. Farberovich, Density-functional calculations of static and dynamic polarizabilities of thready cylindrical crystals 421 (1999) 237
Sokołowski, S., see Patrykiejew 421 (1999) 308
Souda, R., E. Asari, H. Kawanowa, T. Suzuki and S. Otani, Capture and loss of valence electrons during low energy H^+ and H^- scattering from LaB_6(100), Cs/Si(100), graphite and LiCl 421 (1999) 89
Sumitomo, K., see Prabhakaran 421 (1999) 100
Sushko, P.V. and A.L. Shluger, Electronic structure of excited states at low-coordinated surface sites of MgO 421 (1999) L157
Suzuki, T., see Souda 421 (1999) 89

Talkner, P., see Hershkovitz 421 (1999) 73
Tanaka, S.-i., see Sano 421 (1999) 386
Tarducci, C., see Andryushechkin 421 (1999) 27
Thevuthasan, S., see Ruebush 421 (1999) 205
Todnem, K., K.J. Børve and M. Nygren, Molecular adsorption of methane and methyl onto MgO(100). An embedded-cluster study 421 (1999) 296
Tsong, T.T., see Fu 421 (1999) 157

Uhrberg, R.I.G., see Hara 421 (1999) L143

Vörtler, H.L., see Galle 421 (1999) 33

Wiklund, M., see Sandell 421 (1999) 116
Wolter, K., see Seiferth 421 (1999) 176

Yao, N., see Lordi 421 (1999) L150
Yeom, H.W., see Hara 421 (1999) L143
Yoshida, S., see Hara 421 (1999) L143

Zecchina, A., see Seiferth 421 (1999) 176
Zientarski, T., see Patrykiejew 421 (1999) 308

ELSEVIER

Surface Science 421 (1999) 422–424

surface science

Subject index

THEORETICAL METHODS, MODELS AND TECHNIQUES

Ab initio quantum chemical methods and calculations

P.V. Sushko and A.L. Shluger, Electronic structure of excited states at low-coordinated surface sites of MgO 421 (1999) L157

Atomistic dynamics

E. Hershkovitz, P. Talkner, E. Pollak and Y. Georgievskii, Multiple hops in multidimensional activated surface diffusion 421 (1999) 73

Computer simulations

R. Pfandzelter, Origin of intensity oscillations in grazing ion scattering during epitaxial growth: a computational approach 421 (1999) 263

J. Galle and H.L. Vörtler, Monte Carlo simulation of primitive water in slit-like pores: networks and clusters 421 (1999) 33

E. Hershkovitz, P. Talkner, E. Pollak and Y. Georgievskii, Multiple hops in multidimensional activated surface diffusion 421 (1999) 73

Density functional calculations

A.N. Smogunov, L.I. Kurkina, S.I. Kurganskii and O.V. Farberovich, Density-functional calculations of static and dynamic polarizabilities of thready cylindrical crystals 421 (1999) 237

Equilibrium thermodynamics and statistical mechanics

J. Galle and H.L. Vörtler, Monte Carlo simulation of primitive water in slit-like pores: networks and clusters 421 (1999) 33

E. Hershkovitz, P. Talkner, E. Pollak and Y. Georgievskii, Multiple hops in multidimensional activated surface diffusion 421 (1999) 73

Ion–solid interactions, scattering, channeling

R. Pfandzelter, Origin of intensity oscillations in grazing ion scattering during epitaxial growth: a computational approach 421 (1999) 263

Ising models

S. Hara, J. Kitamura, H. Okushi, S. Misawa, S. Yoshida, K. Kajimura, H.W. Yeom and R.I.G. Uhrberg, Perfect cellular disorder in a two-dimensional system: Si cells on the 3C-SiC(001) surface 421 (1999) L143

Jellium models

A.N. Smogunov, L.I. Kurkina, S.I. Kurganskii and O.V. Farberovich, Density-functional calculations of static and dynamic polarizabilities of thready cylindrical crystals 421 (1999) 237

EXPERIMENTAL SAMPLE PREPARATION AND CHARACTERIZATION METHODS

Electron–solid diffraction

Reflection high-energy electron diffraction (RHEED)

K. Miki, J.H.G. Owen, D.R. Bowler, G.A.D. Briggs and K. Sakamoto, Bismuth-induced structures on Si(001) surfaces 421 (1999) 397

Electron spin resonance

M.C. Paganini, M. Chiesa, E. Giamello, S. Coluccia, G. Martra, D.M. Murphy and G. Pacchioni, Colour centres at the surface of alkali-earth oxides. A new hypothesis on the location of surface electron traps 421 (1999) 246

Ion scattering spectroscopy

High energy ion scattering (HEIS)

G. Prévot, C. Cohen, J. Moulin and D. Schmaus, Surface diffusion of Pb on Cu(110) at low coverage: competition between exchange and jump 421 (1999) 364

Non-linear optical methods

Sum frequency generation

U. Schröder and P. Guyot-Sionnest, Optical sum frequency studies of adsorption and laser-induced desorption of CO on W(110) 421 (1999) 53

Photoelectron spectroscopy

A. Sandell, A.J. Jaworowski, A. Beutler and M. Wiklund, Adsorption and reactions on a surface alloy: CO, NO, O_2 and CO_2 on Pd(100)–Mn-c(22) 421 (1999) 116

Angle resolved photoemission

S. Hara, J. Kitamura, H. Okushi, S. Misawa, S. Yoshida, K. Kajimura, H.W. Yeom and R.I.G. Uhrberg, Perfect cellular disorder in a two-dimensional system: Si cells on the 3C-SiC(001) surface 421 (1999) L143

Soft X-ray photoelectron spectroscopy

G. Koller, F.P. Netzer and M.G. Ramsey, Molecular architecture through substrate patterning: bithiophene on clean and sulphur patterned Ni(110) 421 (1999) 353

X-ray photoelectron spectroscopy (XPS)

H. Piao and N.S. McIntyre, High resolution XPS studies of thin film gold–aluminum alloy structures 421 (1999) L171

Scanning tunneling microscopy

S.L. Silva, R.M. Lemor and F.M. Leibsle, STM studies of methanol oxidation to formate on Cu(110) surfaces: I. sequential dosing experiments 421 (1999) 135

S.L. Silva, R.M. Lemor and F.M. Leibsle, STM studies of methanol oxidation to formate on Cu(110) surfaces: II. codosing experiments 421 (1999) 146

S. Hara, J. Kitamura, H. Okushi, S. Misawa, S. Yoshida, K. Kajimura, H.W. Yeom and R.I.G. Uhrberg, Perfect cellular disorder in a two-dimensional system: Si cells on the 3C-SiC(001) surface 421 (1999) L143

Thermal desorption spectroscopy

A. Dinger, C. Lutterloh, J. Biener and J. Küppers, Hydrogen atom reactions with graphite island edges on Pt(111) surfaces: hydrogenation through Eley–Rideal and hot-atom processes 421 (1999) 17

A. Dinger, C. Lutterloh, J. Biener and J. Küppers, Reactions of gaseous H atoms with propylene oxide monolayers adsorbed on graphite covered Pt(111) surfaces 421 (1999) 44

U. Schröder and P. Guyot-Sionnest, Optical sum frequency studies of adsorption and laser-induced desorption of CO on W(110) 421 (1999) 53

D.E. Hunka, T. Picciotto, D.M. Jaramillo and D.P. Land, Dehydrogenation of cyclohexene to benzene on Pd(111) 421 (1999) L166

PHENOMENA

Catalysis

A. Schaak, S. Shaikhutdinov and R. Imbihl, H/D-isotope effects in chemical wave propagation on surfaces: the $O_2 + H_2$ and $NO + H_2$ reactions on Rh(110) and Rh(111) 421 (1999) 191

Chemisorption

A. Sandell, A.J. Jaworowski, A. Beutler and M. Wiklund, Adsorption and reactions on a surface alloy: CO, NO, O_2 and CO_2 on Pd(100)–Mn-c(22) 421 (1999) 116

O. Seiferth, K. Wolter, B. Dillmann, G. Klivenyi, H.-J. Freund, D. Scarano and A. Zecchina, IR investigations of CO_2 adsorption on chromia surfaces: Cr_2O_3 (0001)/Cr(110) versus polycrystalline α-Cr_2O_3 421 (1999) 176

G. Koller, F.P. Netzer and M.G. Ramsey, Molecular architecture through substrate patterning: bithiophene on clean and sulphur patterned Ni(110) 421 (1999) 353

R. Souda, E. Asari, H. Kawanowa, T. Suzuki and S. Otani, Capture and loss of valence electrons during low energy H^+ and H^- scattering from LaB_6(100), Cs/Si(100), graphite and LiCl 421 (1999) 89

Diffusion and migration

E. Hershkovitz, P. Talkner, E. Pollak and Y. Georgievskii, Multiple hops in multidimensional activated surface diffusion 421 (1999) 73

Energy dissipation

E. Hershkovitz, P. Talkner, E. Pollak and Y. Georgievskii, Multiple hops in multidimensional activated surface diffusion 421 (1999) 73

Epitaxy

S.D. Ruebush, R.E. Couch, S. Thevuthasan and C.S. Fadley, X-ray photoelectron diffraction study of thin Cu films grown on clean Ru(0001) and O-precovered Ru(0001) 421 (1999) 205

B.V. Andryushechkin, K.N. Eltsov, V.M. Shevlyuga, C. Tarducci, B. Cortigiani, U. Bardi and A. Atrei, Epitaxial growth of AgCl layers on the Ag(100) surface 421 (1999) 27

K. Reshöft, C. Jensen and U. Köhler, Atomistics of the epitaxial growth of Cu on W(110) 421 (1999) 320

Friction

E. Hershkovitz, P. Talkner, E. Pollak and Y. Georgievskii, Multiple hops in multidimensional activated surface diffusion 421 (1999) 73

Oxidation

V. Lordi, S.X.C. Ma and N. Yao, Towards probing pentagons on carbon nanotube tips 421 (1999) L150

H. Piao and N.S. McIntyre, High resolution XPS studies of thin film gold–aluminum alloy structures 421 (1999) L171

Photoelectron emission

H. Piao and N.S. McIntyre, High resolution XPS studies of thin film gold–aluminum alloy structures 421 (1999) L171

Physical adsorption

J. Galle and H.L. Vörtler, Monte Carlo simulation of primitive water in slit-like pores: networks and clusters 421 (1999) 33

Self-assembly

G. Koller, F.P. Netzer and M.G. Ramsey, Molecular architecture through substrate patterning: bithiophene on clean and sulphur patterned Ni(110) 421 (1999) 353

Sputtering

S.P. Chenakin, B. Heinz and H. Morgner, Substrate effect in sputtering of self-assembled monolayers: hexadecanethiol on Au(111) and Ag(111) 421 (1999) 337

Surface chemical reaction

K. Prabhakaran, K. Sumitomo and T. Ogino, Interaction of Co with SiGe epilayer grown on Si(100) 421 (1999) 100

A. Sandell, A.J. Jaworowski, A. Beutler and M. Wiklund, Adsorption and reactions on a surface alloy: CO, NO, O_2 and CO_2 on Pd(100)–Mn-c(22) 421 (1999) 116

A. Dinger, C. Lutterloh, J. Biener and J. Küppers, Hydrogen atom reactions with graphite island edges on Pt(111) surfaces: hydrogenation through Eley–Rideal and hot-atom processes 421 (1999) 17

A. Schaak, S. Shaikhutdinov and R. Imbihl, H/D-isotope effects in chemical wave propagation on surfaces: the O_2+H_2 and $NO+H_2$ reactions on Rh(110) and Rh(111) 421 (1999) 191

A. Dinger, C. Lutterloh, J. Biener and J. Küppers, Reactions of gaseous H atoms with propylene oxide monolayers adsorbed on graphite covered Pt(111) surfaces 421 (1999) 44

Surface diffusion

A. Schaak, S. Shaikhutdinov and R. Imbihl, H/D-isotope effects in chemical wave propagation on surfaces: the O_2+H_2 and $NO+H_2$ reactions on Rh(110) and Rh(111) 421 (1999) 191

G. Prévot, C. Cohen, J. Moulin and D. Schmaus, Surface diffusion of Pb on Cu(110) at low coverage: competition between exchange and jump 421 (1999) 364

E. Hershkovitz, P. Talkner, E. Pollak and Y. Georgievskii, Multiple hops in multidimensional activated surface diffusion 421 (1999) 73

Surface segregation

H. Piao and N.S. McIntyre, High resolution XPS studies of thin film gold–aluminum alloy structures 421 (1999) L171

Surface structure, morphology, roughness, and topography

S.D. Ruebush, R.E. Couch, S. Thevuthasan and C.S. Fadley, X-ray photoelectron diffraction study of thin Cu films grown on clean Ru(0001) and O-precovered Ru(0001) 421 (1999) 205

S. Hara, J. Kitamura, H. Okushi, S. Misawa, S. Yoshida, K. Kajimura, H.W. Yeom and R.I.G. Uhrberg, Perfect cellular disorder in a two-dimensional system: Si cells on the 3C-SiC(001) surface 421 (1999) L143

Surface waves

Plasmons

A.N. Smogunov, L.I. Kurkina, S.I. Kurganskii and O.V. Farberovich, Density-functional calculations of static and dynamic polarizabilities of thready cylindrical crystals 421 (1999) 237

Thermal desorption

S.H. Payne, H.J. Kreuzer, W. Frie, L. Hammer and K. Heinz, Adsorption and desorption of hydrogen on Rh(311) and comparison with other Rh surfaces 421 (1999) 279

M. Sano, Y. Seimiya, Y. Ohno, T. Matsushima, S.-i. Tanaka and M. Kamada, Orientation of oxygen admolecules on a stepped platinum(133) surface 421 (1999) 386

Vibrations of adsorbed molecules

M.C. Paganini, M. Chiesa, E. Giamello, S. Coluccia, G. Martra, D.M. Murphy and G. Pacchioni, Colour centres at the surface of alkali-earth oxides. A new hypothesis on the location of surface electron traps 421 (1999) 246